

Rashid Aman

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,573
citations

516710

16
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

3532
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA virus interference via CRISPR/Cas13a system in plants. <i>Genome Biology</i> , 2018, 19, 1.	8.8	1,148
2	iSCAN: An RT-LAMP-coupled CRISPR-Cas12 module for rapid, sensitive detection of SARS-CoV-2. <i>Virus Research</i> , 2020, 288, 198129.	2.2	226
3	Nucleic Acid Detection Using CRISPR/Cas Biosensing Technologies. <i>ACS Synthetic Biology</i> , 2020, 9, 1226-1233.	3.8	226
4	TsHKT1;2, a HKT1 Homolog from the Extremophile <i>Arabidopsis</i> Relative <i>Thellungiella salsuginea</i> , Shows K ⁺ Specificity in the Presence of NaCl. <i>Plant Physiology</i> , 2012, 158, 1463-1474.	4.8	161
5	Engineering herbicide resistance via prime editing in rice. <i>Plant Biotechnology Journal</i> , 2020, 18, 2370-2372.	8.3	142
6	CRISPR-Cas13d mediates robust RNA virus interference in plants. <i>Genome Biology</i> , 2019, 20, 263.	8.8	124
7	Efficient, Rapid, and Sensitive Detection of Plant RNA Viruses With One-Pot RT-RPA-CRISPR/Cas12a Assay. <i>Frontiers in Microbiology</i> , 2020, 11, 610872.	3.5	94
8	A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. <i>Plant Physiology</i> , 2016, 171, 2112-2126.	4.8	93
9	Engineering RNA Virus Interference via the CRISPR/Cas13 Machinery in <i>Arabidopsis</i> . <i>Viruses</i> , 2018, 10, 732.	3.3	75
10	LAMP-Coupled CRISPR-Cas12a Module for Rapid and Sensitive Detection of Plant DNA Viruses. <i>Viruses</i> , 2021, 13, 466.	3.3	62
11	Allelic polymorphism of <i>GIGANTEA</i> is responsible for naturally occurring variation in circadian period in <i>Brassica rapa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3829-3834.	7.1	55
12	Bio-SCAN: A CRISPR/dCas9-Based Lateral Flow Assay for Rapid, Specific, and Sensitive Detection of SARS-CoV-2. <i>ACS Synthetic Biology</i> , 2022, 11, 406-419.	3.8	48
13	Characterization of a thermostable Cas13 enzyme for one-pot detection of SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	33
14	Role of HKT1 in <i>Thellungiella salsuginea</i> , a model extremophile plant. <i>Plant Signaling and Behavior</i> , 2013, 8, e25196.	2.4	31
15	Onsite detection of plant viruses using isothermal amplification assays. <i>Plant Biotechnology Journal</i> , 2022, 20, 1859-1873.	8.3	25
16	iSCAN-V2: A One-Pot RT-RPA-CRISPR/Cas12b Assay for Point-of-Care SARS-CoV-2 Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 800104.	4.1	24